

ORIGINAL

Submit 3 Copies To Appropriate District Office
 District I
 1625 N. French Dr., Hobbs, NM 88240
 District II
 1301 W. Grand Ave., Artesia, NM 88210
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Form C-103
 March 4, 2004

WELL API NO.
 30-045-25029

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

8. Well Number
 Kirtland #9

9. OGRID Number
 019219

10. Pool name or Wildcat
 Cha Cha Gallup

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
 Richardson Operating Company

3. Address of Operator
 3100 LaPlata Highway, Farmington, New Mexico 87401

4. Well Location

Unit Letter K : 2045 feet from the South line and 1970 feet from the West line

Section 12 Township 29N Range R15W NMPM San Juan County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
 5176 GL

Pit or Below-grade Tank Application (For pit or below-grade tank closures, a form C-144 must be attached)

Pit Location: UL Sect Twp Rng Pit type Depth to Groundwater Distance from nearest fresh water well

Distance from nearest surface water Below-grade Tank Location UL Sect Twp Rng ;

 feet from the line and feet from the line

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Richardson Operating Company proposes to plug and abandon this well according to the attached procedure and well-bore diagram.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒ a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Charles Neeley TITLE Agent/PE DATE 6/14/04

Type or print name Charles Neeley E-mail address: neeleece@acmet.com Telephone No. 505-486-0211

(This space for State use)

APPROVED BY Charles Neeley TITLE DEPUTY OIL & GAS INSPECTOR, DIST. IV DATE JUN 14 2004
 Conditions of approval, if any:

PLUG AND ABANDONMENT PROCEDURE

Richardson Operating Company

Kirtland #9

NE/SW Sec 12, T29N, R15W

San Juan County, New Mexico

Note: All cement volumes use 50' excess inside of pipe. The stabilizing well-bore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and/or test rig anchors. Prepare blow tank. Comply to all NMOCD and Richardson safety rules and regulations.
2. MOL and RUSU. Check tubing, casing and braden head for pressures. Blow well down, kill with water if necessary. ND wellhead and NU BOP and stripping head; test BOP.
3. Unseat pump and pump hot water down tubing; reseal pump and pressure test tubing to 500 psi and work up to 1000 psi. POH and LD rods (Note rods may be parted and/or stuck).
4. POH and tally 2 3/8" tubing; visually inspect. If necessary LD and PU 2 3/8" work string.
5. ^{CFRP 4372} Plug #1 (Gallup perfs & Gallup Top, ~~4682~~ - 4084'): RIH with open ended tubing to 4682' PBTD or as deep as possible; pump 30 bbls water down tubing. Mix 50 sxs Class B cement and spot balanced plug from 4682' - 4084' over Gallup perfs and Gallup top. POH with tubing and WOC. RIH and tag cement. Pull above cement and circulate well clean. Pressure test casing to 500#. POH to 1403'.
6. Plug #2 (Mesaverde Top, 1403' - 1303'): Mix 12 sxs Class B cement and spot balanced plug from 1403' to 1303'. POH to 393'.
7. ⁴¹⁰ Plug #3 (PC Top and Surface, ~~393~~ - Surface): With tubing at 390' mix and pump 34 sxs Class B cement from 393' to surface, circulate good cement out casing valve. POH and LD tubing. Shut in well and WOC.
8. ND BOP and cut off wellhead below surface casing flange and install P&A marker with cement to NMOCD spec. RD and MOL. Cut off anchors.
9. Restore location per NMOCD stipulations.

Richardson Operating Company
Kirtland #9
2045' FSL & 1970' FWL
Sec 12, T29N, R15W
San Juan County, New Mexico

Well-Bore Diagram
Proposed Plugging Procedure

Elev: 5176' GL, KB 12'

